

What is claimed is:

1. An apparatus assembly for forming a one-piece reflective pavement markers, comprising:
 - a) a core block segment with an inclined, protruded portion incorporating the cube corner reflective prisms for forming the reflective faces of said reflective pavement marker, said inclined, protruded portion form an angle of about 25 to 35 degrees with respect to the base plate surface;
 - b) a cavity block segment having an x-axis, being the same as the base plate surface, positioned to correspond to the exterior reflective face portion of the pavement marker being formed;
 - c) plurality of base plates for holding said cavity-core segments in the precise angular positions;
 - d) cooling-heating elements, ejection pins, springs, nuts, bolts and other miscellaneous elements needed to complete assembly of said apparatus.
2. Apparatus as defined in claim 1, wherein said core block segment with the upper inclined, protruded portion having multiple protruding elements with top surfaces aligned with the x-axis of the open-close direction of said apparatus, each upper protruded element holding an electroformed prismatic tooling for forming the cube corner reflective elements within one face of said one-piece reflective pavement marker.
3. The core block segment as defined in claim 2, wherein the entire upper inclined portion of said core block segment, including all upper protruded prismatic elements, is electroformed then mounted on metallic cubical block to be incorporated into said apparatus.

4. Apparatus as defined in claim 1, wherein said apparatus incorporate the means for multi color injection of polymeric material for forming multi-colored, one-piece reflective pavement marker, said apparatus can incorporate multiple of cavity and core blocks.
5. A method of making the apparatus for fabrication of a one-piece reflective pavement marker comprising the steps:
 - a) providing the means to form the elements for assembling the core block segments for said apparatus, said core block comprising of at least three segments, a lower cubical block, an inclined middle portion attached to said cubical block, and an upper prismatic tooling segments, said inclined middle portion includes multiple of protruding elements, at least some of the said protruding elements are either formed integrally with reflective prismatic upper segments, or said protruding elements can have attachments of a pre-electroformed prismatic tooling segments,
 - b) providing the means to form the cavity block segments for said apparatus, said cavity block positioned having the x-axis nearly parallel to the inner cavity block surface forming the reflective face portion of said one-piece reflective pavement marker,
 - c) providing the various standard elements, such as base plates, cooling-heating elements, material runners, ejections elements, nuts and bolts necessary for completing the assembly of said apparatus,
 - d) providing the means within the apparatus to form a multi colored, monolithically formed reflective pavement marker, said means can incorporate multi plastic runners within said apparatus or other multi-colored injection means.